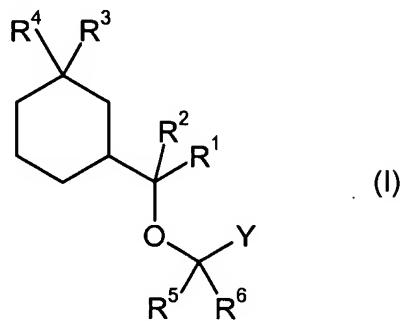


What is claimed is:

1. Compounds of the formula (I)



where

$R^1 = CH_3$, $R^3 = H$ or CH_3 and R^2 and $R^4 = H$,

R^5 and R^6 – independently of one another – are H or CH_3 and

$Y = -CR^7R^8OCOR^9$, where R^7 and R^8 – independently of one another – are H or CH_3 and

R^9 is a branched or straight-chain C_1 to C_5 alkyl group or a branched or straight-chain C_2 to C_5 alkylene group,

or

R^1 and R^2 – independently of one another – are CH_3 or CH_2CH_3 ,

R^3 and R^4 – independently of one another – are H or CH_3 ,

R^5 and R^6 together are oxygen and

Y = $-\text{CR}^7\text{R}^8\text{OCOR}^9$ or R^9 , where R^7 , R^8 and R^9 have the abovementioned meaning,

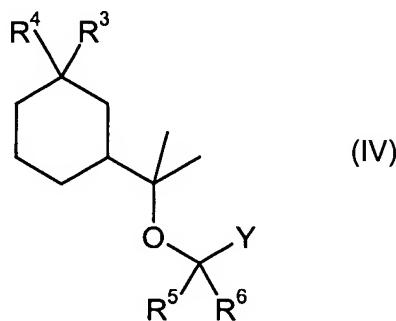
or

R^1 and R^2 – independently of one another – are CH_3 or CH_2CH_3 ,

R^3 , R^4 , R^5 and R^6 – independently of one another – are H or CH_3 and

Y = $-\text{CR}^7\text{R}^8\text{OCOR}^9$, where R^7 , R^8 and R^9 have the abovementioned meaning.

2. Compounds according to Claim 1 of the formula (IV)



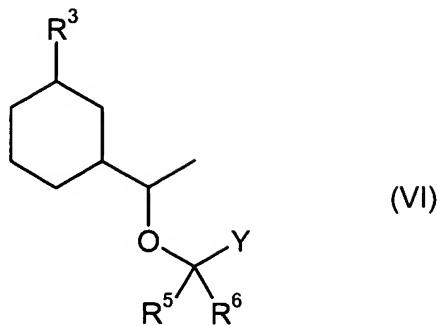
where

R^3 and R^4 – independently of one another – are H or CH_3 , R^3 and R^4 = methyl being preferred

R^5 and R^6 together are hydrogen, and

Y = $-\text{CR}^7\text{R}^8\text{OCOR}^9$ or R^9 , where R^7 , R^8 and R^9 have the meaning given in Claim 1, where Y = methyl, ethyl or n-propyl, and also Y = $-\text{CR}^7\text{R}^8\text{OCOR}^9$, where R^7 and R^8 = H and R^9 = methyl, ethyl or n-propyl is preferred.

3. Compounds according to Claim 1 of the formula (VI)



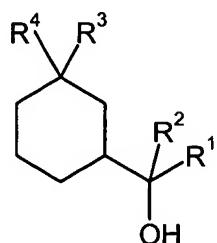
where

$R^3 = H$ or CH_3 ,

R^5 and R^6 – independently of one another – are H or CH_3 , where R^5 , R^6 = methyl is preferred, and

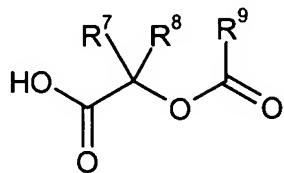
$Y = -CR^7R^8OCOR^9$, where R^7 , R^8 and R^9 have the meaning given in Claim 1, where R^7 and $R^8 = H$ and $R^9 =$ methyl, ethyl or n-propyl is preferred.

4. Compounds according to Claim 1, characterized in that they are 2-(1-cyclohexylethoxy)-2-methylpropyl propionate, 2-[1-(3,3-dimethylcyclohexyl)-1-methylethoxy]-2-oxoethyl propionate or 2-[1-(3,3-dimethylcyclohexyl)-1-methylethoxy]-2-oxoethyl acetate.
5. Method for the preparation of compounds according to one of Claims 1 to 4 by reaction of substituted cyclohexylalkanols of the formula



with

a) carboxylic acids of the formula



where

R^1 and R^2 – independently of one another – are CH_3 or CH_2CH_3 ,

R^3 and R^4 – independently of one another – are H or CH_3 ,

R^5 and R^6 together are hydrogen and

$Y = -CR^7R^8OCOR^9$ where R^7 , R^8 and R^9 have the meaning given in Claim 1,

or

b) carboxylic acids R^9-COOH or carboxylic anhydrides $(R^9-CO)_2O$

where

R^1 and R^2 – independently of one another – are CH_3 or CH_2CH_3 ,

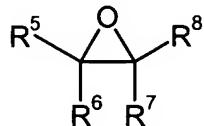
R^3 and R^4 – independently of one another – are H or CH_3 ,

R^5 and R^6 together are oxygen, and

$Y = R^9$ and R^9 has the meaning given in Claim 1,

or

c) epoxides of the formula



where

$R^1 = CH_3$, $R^3 = H$ or CH_3 and R^2 and $R^4 = H$,

R^5 and R^6 – independently of one another- are H or CH_3 and

$Y = -CR^7R^8OCOR^9$, where R^7 , R^8 and R^9 have the abovementioned meaning,

or

R^1 and R^2 – independently of one another – are CH_3 or CH_2CH_3 ,

R^3 , R^4 , R^5 and R^6 – independently of one another – are H or CH_3 , and

$Y = -CR^7R^8OCOR^9$, where R^7 , R^8 and R^9 have the meaning given in Claim 1,

or

d) a carboxylic acid XCR^7R^8-COOH or a carboxylic anhydride $(XCR^7R^8-CO)_2O$ in a first step and with R^9-COOZ or $(R^9-CO)_2O$ in a second step

where

R¹ and R² – independently of one another – are CH₃ or CH₂CH₃,

R³ and R⁴ – independently of one another – are H or CH₃,

R⁵ and R⁶ together are oxygen, and

Y= -CR⁷R⁸OCOR⁹, where R⁷, R⁸ and R⁹ have the meaning given in Claim 1,

X = halogen or OH,

Z = alkali metal or H.

6. Use of compounds according to one of Claims 1 to 4 as fragrances.
7. Fragrance mixtures containing compounds according to one of Claims 1 to 4.
8. Perfumed products containing compounds according to one of Claims 1 to 4.